

Supplemental Table E. Regression coefficients (β), standard errors (SE), Wald test statistic (Z), and corresponding P -values (2-tailed) for models with different components of elevation (polynomial trend surface and microtopography) used (additively) as predictors of log burrow intensity for the FW1 site. Contrary to our expectations, the effect of microtopography on burrow intensity was significantly higher at FW1 in 2015, despite the fact that 2011 was a wetter year. However, when the study area boundary was changed to reflect the common area sampled in both 2011 and 2015 (*), the effect of microtopography was more consistent with our prediction.

Site	<u>Polynomial trend surface</u>				<u>Microtopography</u>			
	β	SE	Z	P	β	SE	Z	P
FW1-2011	-0.873	0.234	-3.729	< 0.001	5.347	0.321	16.659	< 0.001
FW1-2015	-1.203	0.235	-5.109	< 0.001	6.949	0.363	19.15	< 0.001
FW1-2011*	-0.650	0.274	-2.375	0.018	5.764	0.396	14.55	< 0.001
FW1-2015*	-1.190	0.299	-3.979	< 0.001	5.257	0.390	13.49	< 0.001